Bruhat Bangalore Mahanagara Palike
Excecutive Engineer Dasarahalli Division

Name of Work: Improvements to Road and Asphalting to Kala main road and other development works in Surrounding area of K.G Halli in Ward No-12 Shettyhalli Sub division

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
Work								
Removing & Refixing stone slabs of drains and pointing in C.M (1:3) (P.No-27,I No-5.33)								
Kala Main Road								
Ch:0.0m to 975.00m LHS	1	800.00	1.50		1200.00			
Ch:0.0m to 975.00m RHS	1	800.00	1.50		1200.00			
					2400.00	**Sqm**	**111.30**	**267120.00**
KSRRB 300-1. **Earthwork excavation by manual means for roads,** drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications ~~10km lead= 57+2.0x1.28x10 =82.60~~								
Desilt								
Kala Main Road								
Ch:0.0m to 975.00m LHS	1	875.00	0.60	0.45	236.25			
Ch:0.0m to 975.00m RHS	1	975.00	0.60	0.45	263.25			
					499.50	**Cum**	**220.40**	**110089.80**
KSRRB M2100-10. Providing and laying **Plain cement concrete of mix 1:3:6** with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18)								
For CC Road								
Cross Road-1	1	148.00	5.50	0.15	122.10			
					122.10	**Cum**	**5421.90**	**662013.9**
Providing **granite slabs** of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete. ~~**do - 10 cms thick**~~ (P.No-57 ,I No-5.31.2)								
Kala Main Road								
Ch:0.0m to 975.00m LHS	1	110.00	1.50		165.00			
Ch:0.0m to 975.00m RHS	1	55.00	1.50		82.50			
					247.50	**Sqm**	**966.72**	**239263.2**
Providing and Fixing pre cast **covering Slab 250mm thick** made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge								
for Damaged Culvert	11	1.50	0.60		9.90	Sqm	5241.00	51,885.

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Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
6	KSRRB M300-14. **Excavation for roadwork in all types of soil** by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications MORTH Specificatio MORTH Specification ~~No.301Loading and unloading with 10km lead~~ (I No-19.14,P No-143)								
	Kommagondanahalli								
	Kala Main Road								
	Ch:0.0m to 975.00m	1	975.00	2.00	0.375	1950.00			
	11th Main Road	1	323.00	1.50	0.375	181.69			
	Halmuniyappa Road	1	580.00	6.00	0.30	1044.00			
	Cross Road-2	1	400.00	6.00	0.30	720.00			
	For CC Road								
	Cross Road-1	1	148.00	5.50	0.300	814.00			
						4709.69	**Cum**	**69.06**	**325251.02**
	KSRRB 300-58. **Compaction of original ground** by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications (I No-19.64,P No-[illegible])								
	[illegible]halli								
	[illegible]5.00m	1	975.00	2.00		1950.00			
	[illegible]muniyappa Road	1	580.00	6.00		3480.00			
	[illegible]	1	400.00	6.00		2400.00			
	[illegible]	1	148.00	5.50		814.00			
						8644.00	**Sqm**	**6.36**	**54,975.84**
	Construction of **granular sub-base Grading-V** as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on [illegible]d surface and compacting with vibratory power roller to achieve the 98 % proctor density, [illegible] per specifications Clause 401 of MORTH V Revision.(I No-20.5,P No-153)								
	[illegible]mmagondanahalli								
	Kala Main Road								
	Ch:0.0m to 975.00m	1	975.00	2.00	0.15	292.50			
	11th Main Road	1	323.00	1.50	0.15	72.68			
	Halmuniyappa Road	1	580.00	6.00	0.15	522.00			
	Cross Road-2	1	400.00	6.00	0.15	360.00			
	For CC Road								
	Cross Road-1	1	148.00	5.50	0.15	122.10			
						1369.28	**Cum**	**1994.92**	**2731594.08**
9	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to **wet mix macadam** specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications(P.No-155,I No-20.18)								

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Sl	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Kala Main Road								
	Ch:0.0m to 975.00m	1	975.00	2.00	0.225	438.75			
	11th Main Road	1	323.00	1.50	0.225	109.01			
	Halmuniyappa Road	1	580.00	6.00	0.225	783.00			
	Cross Road-2	1	400.00	6.00	0.225	540.00			
						1870.76	Cum	2001.28	3743919.58

KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications Clause 502 of MORTH V revision(P.No-158,I No-21.6)

	Kommagondanahalli								
	Kala Main Road								
	Ch:0.0m to 975.00m	1	975.00	2.00		1950.00			
	11th Main Road	1	323.00	1.50		484.50			
	Halmuniyappa Road	1	580.00	6.00		3480.00			
	Cross Road-2	1	400.00	6.00		2400.00			
						8314.50	Sqm	29.68	246774.36

KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications P.No-161,I No-21.7)

	Kommagondanahalli								
	Kala Main Road								
	Ch:0.0m to 975.00m	1	975.00	7.50		7312.50			
	11th Main Road	1	323.00	5.00		1615.00			
	Halmuniyappa Road	1	580.00	6.00		3480.00			
	Cross Road-2	1	400.00	6.00		2400.00			
						14807.50	Sqm	12.72	188351.40

KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 5 of MORTH V revisionusing 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen (P.No-160,I No-21.17.6)

	Kommagondanahalli								
	Kala Main Road								
	Ch:0.0m to 975.00m	1	975.00	3.00	0.05	146.25			
	11th Main Road	1	323.00	1.50	0.05	24.23			
	Halmuniyappa Road	1	580.00	6.00	0.05	174.00			
	Cross Road-2	1	400.00	6.00	0.05	120.00			
						464.48	Cum	6858.20	3185462.45

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	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	KSRRB M500-19. Providing and laying **bituminous concrete** using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 507 of MORTH V revision using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 45 mm) with 5.4% VG-30 Bitumen(P.No-162,I No-21.22.6)								
	Kommagondanahalli								
	Kala Main Road								
	Ch:0.0m to 975.00m								
	11th Main Road	1	975.00	7.50	0.04	292.50			
	Halmuniyappa Road	1	323.00	5.00	0.04	64.60			
	Cross Road-2	1	580.00	6.00	0.03	104.40			
		1	400.00	6.00	0.03	72.00			
						533.50	**Cum**	**7911.84**	**4220966.64**
14	KSRRB M800-13.**Road Marking with Hot Applied Thermoplastic Compound** with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803(P.No-182,I No-24.15)								
	Kala Main Road								
	Ch:0.0m to 975.00m								
	11th Main Road	2	975.00	0.10		195.00			
	Halmuniyappa Road	2	323.00	0.10		64.60			
	Cross Road-2	2	580.00	0.10		116.00			
		2	400.00	0.10		80.00			
						455.60	**Sqm**	**454.74**	**207179**
15	Constructing un-reinforced, **plain cement concrete for pavements using Grade concrete M30** over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fin aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials, labour,hire charges of machineries,all lead & lift charges etc., complete as per specifications -do- with OPC at 360 kg/cum and coarse aggregate 0.69cum, fin aggregate 0.46cum. (I No-22.6.1,P No-176)								
	For CC Road								
	Cross Road-1	1	148.00	5.50	0.15	122.10			
						122.10	**Cum**	**5210.96**	**636**
								Total Construction Cost	**16871**
								Towards GST 12%	**2024**
								Towards KRIDL Charges4.5%	**759**

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Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
							DPR & PMC Cost	337422.12
							Sub Total	19992260.63
							Utility Shifting,Miscellaneous and Rounding off	7,739.37
							GRAND TOTAL	20000000.00

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e workspot was inspected and works is found to be necessary.
e area comes within the Bruhat Bangalore Mahanagara Palike limits.
e rates adopted based on the PWD SR,Bangalore circle for year 2018-2019.and Data Rates

Assistant Engineer
Ward No-12
BBMP Bangalore

Asst. Executive Engineer,
Shettyhalli Sub Division
BBMP Bangalore

Executive Engineer,
Dasarahalli Division
BBMP Bangalore

ಪಂ. EE/DD/AS/15/19-20 ದಿನಾಂಕ : 30/04/19
ರೂ. Rs. Two (Hundred (lacks
only (200.0) —11—
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ನಂ. CE/02/TS/17/19-20 ದಿನಾಂಕ : 18/05/2019
ರೂ. 200.00 Lakhs/- (Rs
Two Hundred Lakhs only)
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ

ತಾಂತ್ರಿಕ ಸಹಾಯಕರು

ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

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